

1 Amendments to the Specification Please replace the paragraph
2 beginning on page 11 line 18 with the following paragraph.

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5 "The first set of data streams 10 and second set of data streams 26
6 are processed through respective communication channels. However,
7 each of the spreading codes of all of the channels is different for
8 cochannel isolation. The clock generators 16 and 32 can be one
9 clock generator for providing the same clock signals to the first
10 and second sets of communications channels. Additionally, the first
11 set of data streams 10 are data formatted and then modulated by NRZ
12 formatted spreading codes from the first set NRZ code formatters
13 20, and the second set of data streams 26 are data formatted and
14 then modulated by Manchester formatted spreading codes from the
15 Manchester formatters 36. The first set of modulators 24 and the
16 second set of modulators 40 provide respective NRZ spectrum spread
17 signals and Manchester spectrum spread signals to a transmitter
18 combiner 42 for combining the NRZ formatted spectrum spread signals
19 and Manchester spectrum spread signals into a composite spectrum
20 signals having a dual spectrum. The NRZ formatted spectrum is a
21 nonsplit spectrum and the Manchester formatted spectrum is a split
22 spectrum. Hence, the composite spectrum is a composite of a
23 nonsplit spectrum resulting for NRZ code formatting and a split
24 spectrum resulting from Manchester code formatting. The modulators
25 24 and 40 uniphase modulate the ~~spread spectrum signals~~ by a
26 carrier signal having a carrier frequency. Uniphase modulation is
27 defined as modulating one and only one phase on the carrier, which
28 is either the inphase phase of the carrier or the quadrature phase

1 of the carrier, but not both. The composite spread spectrum
2 communication signal is a uniphase composite spread spectrum
3 communication signal that is amplified by a high power amplifier 44
4 and transmitted as a dual spectrum communication signal using a
5 transmitter antenna 46."

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